

Claims

1. A reagent for determination of leucocytes and of
basophil polymorphonuclear leucocytes as well as for
5 measurement of haemoglobin in a sample of blood,
comprising:

- a buffer system that is suited to adjust selectively the
pH of the reagent to an acidic value, in particular to a
10 value lower than 3;

- at least one detergent of cationic type;

- a nitrogenous compound.

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2. The reagent of Claim 1, wherein the buffer system is
suited to adjust the pH to a value equal to 2.4.

3. The reagent according to Claim 1 wherein the buffer
20 system is selected from the group comprising:

- potassium chloride / hydrochloric acid;

- tartaric acid / sodium hydroxide;

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- citric acid / sodium hydroxide;

- potassium hydrogen phthalate / hydrochloric acid;

30 - citric acid / disodium hydrogen phosphate; and

- boric acid / citric acid / potassium dihydrogen
phosphate.

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4. The reagent of Claim 1, wherein the detergent is selected from the group comprising:

- 5 - the primary amines, the acetates and hydrochlorides of fatty amines;
- the quaternary ammonium salts and trimethylethylammonium bromide;
- 10 - the amides of substituted diamines, cationised by ethyl sulfate, diethanolaminopropylamine or diethylaminopropylamide; and
- the amides of cyclised diethylenetriamine.

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5. The reagent of Claim 1, wherein the nitrogenous compound is a thiourea.

6. The reagent of Claim 5 wherein the thiourea is 1,3-
20 dimethyl-2-thiourea.

7. The reagent of Claim 1, further comprising at least one inorganic salt.

25 8. The reagent of Claim 7, wherein the inorganic salt is an alkali-metal salt.

9. The reagent of Claim 7, wherein the inorganic salt is selected from the group comprising chlorides and sulfates
30 of sodium or potassium.

10. The reagent of Claim 1, wherein the detergent is present in a concentration of 0.2-20 g/l and the

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nitrogenous compound is present in a concentration of 0.1-10 g/l.

11. The reagent of Claim 1, having the following
5 composition:

	Compounds	Concentrations
10	potassium chloride	5-10 g/l
	1,3-dimethyl-2-thiourea	0.5-3 g/l
	dodecyltrimethylammonium chloride	0.5-5 g/l
15	potassium hydrogen phosphate / HCl	1.0-10 g/l

add A1
add B2